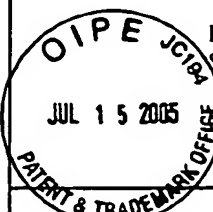
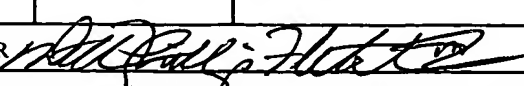


FORM PTO-1449		U. S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.		SERIAL NO.	
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 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT					
		Hiroyuki ONISHI, et al.					
		FILING DATE		GROUP			
				November 13, 2002		1746	
U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME		FILING DATE IF APPROPRIATE	
	AA						
	AB						
	AC						
	AD						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY		TRANSLATION	
						YES	NO
WPF	AE	57-109662	07/1982	JP			X
↓	AF	09-292516	11/1997	JP		X	
	AG	09-111673	04/1997	JP		X	
	AH	2000-335079	12/2000	JP		X	
	AI	2000-177231	06/2000	JP		X	
↓	AJ	11-247076	09/1999	JP		X	
OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)							
WPF	AK	Patent Abstracts of Japan of JP 57-109662 dated July 8, 1982					
↓	AL	JPO computer English translation and Patent Abstracts of Japan of JP 09-292516 dated November 11, 1997					
	AM	JPO computer English translation and Patent Abstracts of Japan of JP 09-111673 dated April 28, 1997					
	AN	JPO computer English translation and Patent Abstracts of Japan of JP 2000-335079 dated December 5, 2000					
	AO	JPO computer English translation and Patent Abstracts of Japan of JP 2000-177231 dated June 27, 2000					
↓	AP	JPO computer English translation and Patent Abstracts of Japan of JP 11-247076 dated September 14, 1999					
EXAMINER 				DATE CONSIDERED 12/6/05			
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